

1. A composition for supplementing a beverage, the composition comprising:
  - a beverage comprising a liquid directly ingestible by a user;
  - an active ingredient added to the beverage in an amount effective to increase nutritional constituents otherwise subject to a deficiency in a user as a normal consequence of consumption of the beverage; and
  - a chemical excipient applied to the active ingredient selected from the group consisting of anti-oxidants, pH buffers, flavor masking agents, odor masking agents, preservatives, timed-release mechanisms added to the beverage to support delivery of the active ingredient from the beverage to the bloodstream of a user.
- 10 2. The composition of claim 1, wherein the beverage is a commercially available traditional drink.
- 15 3. The composition of claim 1, wherein the beverage comprises a substance selected from water, milk, juice, alcoholic beverages, coffee, tea, carbonated beverages.
4. The composition of claim 3, wherein alcoholic beverages further comprises distilled spirits, beer, wine, champagne, brandy, cognac, malt beverages, hard ciders, ales, lagers, liqueurs.
- 20 5. The composition of claim 1, wherein the active ingredient is selected from the group consisting of vitamins, minerals, electrolytes, hormones, herbal, botanical, amino acid, protein, carbohydrate, fat.

6. The composition of claim 5, wherein vitamins are selected from the group consisting of B-Vitamins, Vitamin C, Vitamin A, Vitamin D, Vitamin E, Vitamin K, pro-vitamins, and co-enzymes.

5           7. The composition of claim 6, wherein B-Vitamins are selected from the group consisting of Vitamin B1 (thiamine), Vitamin B2 (riboflavin), Vitamin B3 (niacin), Vitamin B5 (pantothenic acid), Vitamin B6 (pyridoxine), Vitamin B9 (folic acid), and Vitamin B12 (cyanocobalamin).

10          8. The composition of claim 4, wherein minerals further comprise at least one of magnesium, selenium, zinc, iron, and calcium.

9. The composition of claim 4, wherein electrolytes further comprise at least one of potassium, sodium, chloride, and phosphate.

15          10. The composition of claim 1, wherein the active ingredient is other than a replacement of a constituent previously present in the beverage.

20          11. The composition of claim 1, wherein the active ingredient is other than a replacement of a constituent of the beverage source materials previously present in a former condition of the beverage source materials.

12. The composition of claim 1, wherein the excipient is selected to mollify an effect selected from digestive processes, blood absorption processes, chemical stability prior to ingestion, chemical stability following ingestion, longevity of chemical concentration in the bloodstream, chemical stability in human cells.

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13. The composition of claim 1, wherein the application of the excipient is ordered in accordance with a parameter selected from at least one of preservation, shelf-stability, lubrication, solvents, viscosity, flavor masking, odor masking, pharmacokinetic mollification, appearance, texture, taste.

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14. The composition of claim 1, wherein the beverage is selected from the group consisting of nutritionally deficient and nutrition-depleting beverages.

15. The composition of claim 1, wherein the beverage consists of a liquid.

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16. The composition of claim 1, wherein the effective amount is selected to substantially completely replenish a deficiency of a selected nutrient.

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17. The composition of claim 1, wherein the effective amount is selected to substantially inhibit the depletion effects of the beverage on a selected nutrient.

18. The composition of claim 1, wherein the effective amounts is selected to substantially reverse the depletion effects of the beverage on a selected nutrient.

19. The composition of claim 1, wherein the effective amounts is selected to substantially neutralize depletion effects of the beverage on a selected nutrient.

5                   20. The composition of claim 19, wherein the effective amount is selected to substantially maintain a concentration in a bloodstream of a user to substantially resist leaching of the selected nutrient from cells by the beverage in the bloodstream.

10                  21. The composition of claim 1, wherein the composition is in a formulation selected from the group consisting of powder, pill, tablet, capsule, granule, microgranule, liquid, suspension, emulsion, liquid concentrate, effervescent tablet.

                      22. The composition of claim 1, wherein the beverage comprises a slurry comprising a solidus material in a liquid.

23. A method for increasing nutritional constituents otherwise subject to a deficiency in a user consequent to consumption of a beverage, the method comprising:

5                    consuming a beverage having an effect reducing a first nutrient in an individual;

                  depleting the first nutrient in an individual consuming a first dose of the beverage;

supplementing a second dose of the beverage with a supplement; and

administering the beverage containing the supplement comprising the nutrient formulated to ingest with the beverage.

24. The method of claim 23, wherein the nutrient effect is selected from the group consisting  
10                of nutrient lacking, nutrient depleting, nutrient fortifying, and nutrient neutral.

25. The method of claim 23, wherein depleting the nutrient results from a process selected  
                  from the group consisting of organic consumption, illness, and pharmacokinetic interaction.

15                26. The method of claim 23, wherein supplementing the beverage further comprises  
                  introducing the nutrient formulation directly into the beverage.

27. The method of claim 26, wherein introducing the nutrient formulation into the beverage  
occurs during at least one of beverage production, packaging, and distribution of the  
20                beverage.

28. The method of claim 27, wherein production further comprises at least one of harvesting, crushing, milling, mashing, mixing, heating, fermenting, distilling, aging, and extruding.

5           29. The method of claim 27, wherein packaging further comprises at least one of bottling, canning, kegging, barreling, and cartoning.

10          30. The method of claim 23, wherein administering further comprises placing the nutrient into a carrier that is consumed contemporaneously with the beverage.

15          31. The method of claim 30, wherein the carrier is selected from the group consisting of an organic food, organic beverage, packaged food, packaged beverage, mixer formulation, and auxiliary comestible.

20          32. The method of claim 31, wherein the mixer formulation further comprises at least one of water, ice, garnishment, liqueur, grenadine, fruit, vegetable, juice, fruit concentrate, and vegetable concentrate.

             33. The method of claim 30, wherein the auxiliary comestible further comprises at least one of snacks, hors d'oeuvres, nuts, pretzels, chips, crackers, boiled eggs, pickles, and cheese.

34. A method for making a supplemented beverage for increasing nutritional constituents otherwise subject to a deficiency in a user as a consequence of consumption of a beverage, the method comprising:

selecting a condition to supplement;

5 selecting an active ingredient;

selecting a chemical excipient for formulating the beverage supplement;

evaluating the beverage supplement;

incorporating the active ingredient and excipient into the beverage

administering the supplemented beverage to a user.

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35. The method of claim 34, wherein the condition is selected from nutrient depletion, nutrient deficiency, hepatic condition, neurological condition, cardiovascular condition, endocrine condition, renal condition, gastrointestinal condition, respiratory condition.

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36. The method of claim 34, wherein the active ingredient is selected from vitamin, mineral, electrolyte, hormone, herbal, botanical, amino acid, protein, carbohydrate, fat.

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37. The method of claim 36, wherein vitamin is selected from the group consisting of B-Vitamins, Vitamin C, Vitamin A, Vitamin D, Vitamin E, Vitamin K, pro-vitamin, and co-enzyme.

38. The method of claim 37, wherein B-Vitamin is selected from the group consisting of Vitamin B1 (thiamine), Vitamin B2 (riboflavin), Vitamin B3 (niacin), Vitamin B5 (pantothenic acid), Vitamin B6 (pyridoxine), Vitamin B9 (folic acid), and Vitamin B12 (cyanocobalamin).

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39. The method of claim 36, wherein the mineral is selected from the group consisting of magnesium, selenium, zinc, and calcium.

10 40. The method of claim 36, wherein the electrolyte is selected from the group consisting

of potassium, sodium, and phosphate.

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41. The method of claim 34, wherein formulating further comprises selecting a property from the group consisting of preservation, shelf-stability, lubrication, solvents, viscosity, flavor masking, odor masking, pharmacokinetic mollification, appearance, texture, taste, digestive processes, blood absorption processes, chemical stability prior to ingestion, chemical stability following ingestion, chemical longevity in the bloodstream, chemical stability in human cells.

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42. The method of claim 34, wherein evaluating the beverage supplement is selected from the group consisting of performing a quantitative analysis of formulation components, performing a clinical analysis of effect of the beverage supplement on the selected condition, performing a consumer preference analysis.

43. The method of claim 42, wherein the consumer preference analysis further comprises testing for at least one of taste, odor, appearance, color, and texture.

5                   44. The method of claim 34, wherein incorporating the active ingredient and excipient into a beverage is executed during a process selected from the group consisting of production, packaging, and distribution.

10                  45. The method of claim 44, wherein the production further comprises at least one of harvesting, crushing, milling, mashing, mixing, heating, fermenting, distilling, aging, and extruding a source material.

15                  46. The method of claim 44, wherein the packaging further comprises at least one of bottling, canning, kegging, barreling, and cartoning.